

Projects Funded Through December 2005

The Kentucky Cabinet for Economic Development, through the Department of Commercialization and Innovation, helps support many high-tech businesses and institutions to assist in creating jobs throughout the Commonwealth.

With a strong focus on return on taxpayer investment, DCI's mission includes recruiting, creating, and retaining high-tech companies and jobs, producing new products and services, and developing new and improved processes.

Cardiovascular Innovation Institute – Funding was requested from DCI to support operations and complete the construction of the recently expanded Cardiovascular Innovation Institute, which increased in scope to include five floors and a vivarium to house animals used in clinical trials. The research focus is to bring new heart-assist devices from the bioengineering laboratory to the patient's bedside as quickly and safely as possible. KEDFA-approved funding by DCI in 2005 was \$625,000.

MetaCyte Business Lab – MetaCyte is a business incubator facility that specializes in supporting and developing biotechnology companies. MetaCyte's customers are investors that take equity positions in life science and healthcare technology companies. Funding was requested to support existing operations and to acquire additional "human capital," such as experts in clinical regulatory issues and drug and device development. KEDFA-approved funding by DCI in 2005 was \$750,000

Center for Information Technology Enterprise (CITE) – Also known as *ConnectKentucky*, this program requested funds to continue implementing broadband technologies as part of a three-year comprehensive, statewide broadband deployment plan. CITE will provide community implementation plans, funding assistance, project management in expanding community infrastructure, and a broad public relations effort in all of Kentucky's 120 counties. KEDFA-approved funding by DCI in 2005 was \$1,900,000.

Secat, Inc. and the University of Kentucky Research Foundation – Secat was formed in 1999 through a university-industry partnership to facilitate the research and development of innovative technologies and products for the aluminum industry. Funding was requested to support research, salaries, and operating costs at the new Sloan Center for a Sustainable Aluminum Industry housed at the University of Kentucky. KEDFA-approved funding by DCI in 2005 was \$150,000.

Center for Pharmaceutical Science & Technology (CPST) – A new, 20,000 sq ft CPST manufacturing facility is scheduled to open in early 2006. Funding was requested for the CPST Coldstream project to ensure that the highly skilled staff already in place is retained until a self-sustaining revenue stream is achieved

following the plant's opening. KEDFA-approved funding by DCI in 2005 was up to \$1,240,000. An additional \$500,000 will be provided as a forgivable loan to help purchase a revolutionary sterile injectable product Closed Vial Filling (CVF) system.

Cymbion, LLC – Cymbion has a commitment for three private label contracts to produce products marketed as medical devices with drugs, based on the company's patented designs. Funding was requested for a manufacturing facility in Tompkinsville that meets all FDA regulatory requirements for producing drug products. Funds will be used for prototype tool production, FDA testing and consulting, purchasing production equipment, and personnel costs. KEDFA-approved funding by DCI in 2005 was for up to \$650,000.

Kentucky Dataseam Initiative, Inc. – Dataseam is a non-profit, Louisville-based organization that is building a statewide research computer infrastructure by leveraging over \$10 million worth of current desktop computers and network assets in the Commonwealth's P-12 grade school districts. Up to 80 university researchers will be able to access the computers when the schools are not using them, which will accelerate research to commercialize anticancer drugs. It is the largest computing grid of its type in the U.S. KEDFA-approved funding by DCI in 2005 was for up to \$2,075,000.

Safety & Security Incubator – Located on the campus of Eastern Kentucky University, the Safety and Security Incubator supports the development of small businesses focused on developing and commercializing safety and security products. The incubator facility is the result of a partnership between Eastern Kentucky University's College of Business and Technology and the College of Justice and Safety. KEDFA-approved funding by DCI in 2005 to support the incubator's start-up and operations was for up to \$51,845.

Kentucky Consortium for Energy and the Environment – The Consortium, under the Office of Energy Policy within the Commerce Cabinet, supports collaborative efforts among its member institutions, government, and industry in pursuit of innovative, practical solutions to pressing energy and environmental issues. Members include the University of Kentucky, University of Louisville, Murray State University, and the Kentucky Community and Technical College System. KEDFA-approved funding by DCI for 2005 in support of the Consortium's efforts was for up to \$1,187,000.

Clean Coal Processes – The Kentucky Commerce Cabinet, Office of Energy Policy, Division of Energy Research, Development, and Demonstration, oversees a wide range of activities designed to develop new, coal-based technologies that would lead to new businesses and jobs in Kentucky. Funding was requested to help accelerate the deployment of clean coal processes, such as a coalbed methane recovery system, an improved coal gasification method, a wood-to-ethanol fuel conversion process, a depleted uranium battery technology,

alternative products derived from biodiesel production, a coal fines recovery system, alternative liquid fuels derived from coal, and an improved method of pulverizing coal to reduce emissions. KEDFA-approved funding by DCI for 2005 in support of these efforts was for up to \$2,000,000.

FutureGen Clean Coal Demonstration Project – The FutureGen project, announced by President Bush in February 2003, is a planned \$1 Billion, 15-year effort to perfect advanced “clean coal” technologies that can lead to increased interest in Kentucky coals and to new business ventures and jobs. Efforts are underway to show Federal officials why it would be logical to locate the FutureGen “zero emissions” facility on a suitable site in Kentucky. KEDFA-approved funding by DCI for 2005 in support of these efforts was for up to \$950,000.

Expert Management Organization – The Expert Management Organization (EMO) is designed to facilitate knowledge-based economic development in the rural areas of Kentucky. Each EMO team will consist of highly qualified managers capable of launching successful new products and companies. Funding was requested to underwrite salaries and operations in a pilot project intended to eventually be used by other Innovation and Commercialization Centers throughout Kentucky. KEDFA-approved funding by DCI for 2005 in support of these efforts was for up to \$250,000.